

METHODS AND APPARATUS FOR TARGET
ANGLE HEEL EFFECT COMPENSATION

ABSTRACT OF THE DISCLOSURE

A method of at least partially compensating for an x-ray tube target angle heel effect wherein the method includes providing an x-ray source, providing an x-ray detector having a plurality of detector rows positioned to receive x-rays from the source, and using a filter to increase uniformity of at least one of a projection noise and a spatial resolution, wherein the projection noise and the spatial resolution are non-uniform and are a function of a target angle along a z-axis.